

FIG. 1

100

120

OLAP SERVER 108

OLAP TOOLS 150

OLAP-BASED PROFILE ENGINE 152

**PROFILE BUILDER AND UPDATE MODULE
(PBUM) 154**

**BEHAVIOR PATTERN GENERATION MODULE
(BPGM) 158**

**DATA MANAGEMENT MODULE
(DMM) 160**

**VOLUME-BASED TO PROBABILITY-BASED
CONVERSION MODULE
(VPCM) 164**

**BEHAVIOR PATTERN COMPARISON MODULE
(BPCM) 168**

FIG. 2

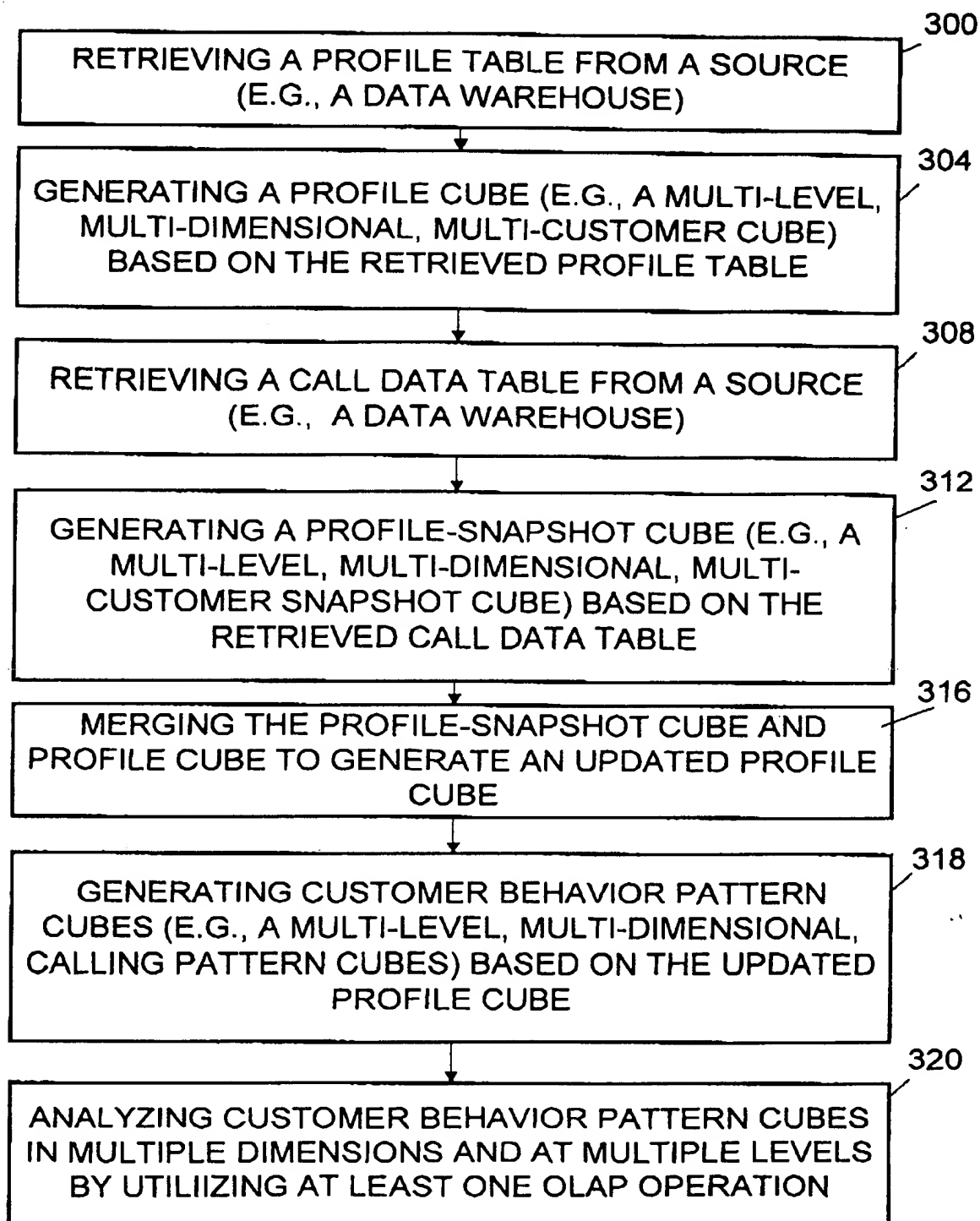


FIG. 3

Cpri

morning	0.5
afternoon	0.1
evening	0.4

410

Cp

morning	0.7	0.3	0.2
afternoon	0.2	0.4	0.5
evening	0.1	0.3	0.3

420

Ccon

morning	0.35	0.03	0.08
afternoon	0.1	0.04	0.2
evening	0.05	0.03	0.12

430

morning	350	30	80
afternoon	100	40	200
evening	50	30	120

400

V

FIG. 4